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(71) Applicant (for all designated States except US): **THE UNIVERSITY OF NEWCASTLE RESEARCH ASSOCIATES LIMITED** [AU/AU]; Industry Development Centre, University Drive, Callaghan, NSW 2308 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FRANKS, George, V.** [AU/AU]; The University of Newcastle Research Associates, Limited, Industry Development Centre, University Drive, Callaghan, NSW 2308 (AU). **JAMESON, Graeme, John** [AU/AU]; The University of Newcastle

Research Associates, Limited, Industry Development Centre, University Drive, Callaghan, NSW 2308 (AU). **YAN, Yao-de** [AU/AU]; The University of Newcastle Research Associates, Limited, Industry Development Centre, University Drive, Callaghan, NSW 2308 (AU). **BIGGS, Simon, Richard** [AU/AU]; The University of Newcastle Research Associates, Limited, Industry Development Centre, University Drive, Callaghan, NSW 2308 (AU).

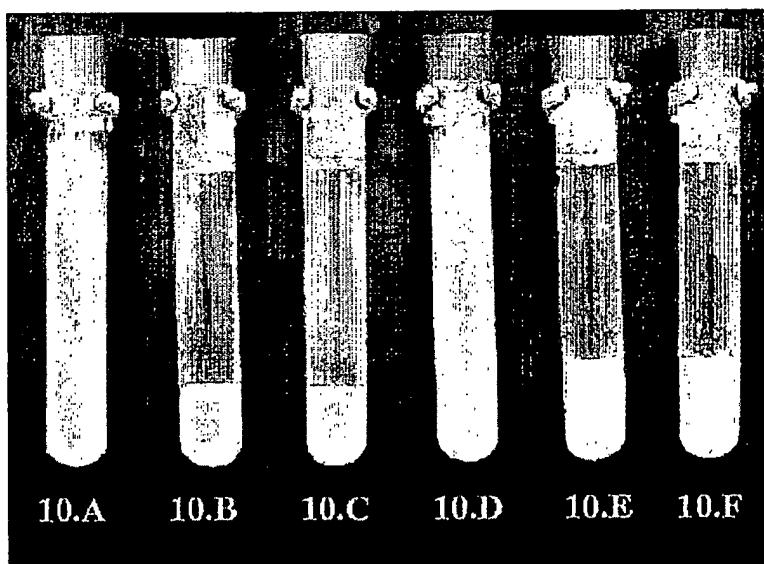
(74) Agent: **SHELSTON IP**; 60 Margaret Street, Sydney, NSW 2000 (AU).

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(54) Title: **STIMULANT SENSITIVE FLOCCULATION AND CONSOLIDATION**



(57) Abstract: The present invention relates to methods for the separation of materials from heterogeneous fluids and provides a means of effecting stimulant-sensitive flocculation and consolidation of solid suspensions within a liquid medium. Specifically, the present invention provides a method of controlling the state of a suspension of solid particles in a liquid, including applying to the suspension a stimulus adapted to control inter-particle forces between the solid particles. The stimulus is reversibly operable to control attraction and/or repulsion. Means of consolidating a sediment bed and of separating the resultant liquids-rich and solids-rich phases are also within the ambit of the invention.

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